

## **NEW (2010) Interim PRGs for Dioxin (TCDD)**

Currently, EPA's recommended dioxin PRGs are 1,000 part per trillion (ppt) for dioxin in residential soil and a level within the range of 5,000-20,000 ppt in commercial/industrial soil. The draft interim PRGs proposed today are **72 ppt for residential land uses and 950 ppt for commercial/industrial land uses**, thus lowering the amount of dioxins levels for residential land uses and commercial/industrial land uses.

In addition, the draft interim PRGs differ from the current dioxin PRGs in that they include consideration of the potential absorption of dioxin through skin exposure. This will provide a tool for site evaluation that was not available when EPA last recommended PRGs for dioxins in soil in 1998.

The 72 ppt dioxin TEQ for residential and 950 ppt dioxin TEQ are the recommended draft PRGs. These are based on non-cancer risk which is equivalent to a 10<sup>-5</sup> cancer risk. Therefore EPA is also looking at an alternative draft PRGs **3.7 ppt dioxin TEQ for residential and 17 ppt dioxin TEQ for Commercial/Industrial**. these numbers are close to the 1E-6 cancer risk which will be consistent with the NCP point of departure for determining remediation goals. These levels are within **background levels** which was established to range between **0.2 and 11.4 ppt** dioxin TEQ. If the alternative draft PRGs are adopted then site specific dioxin natural background levels should be established for each site. What ever the numbers we will end up with, I think five years reviews will be very much impacted.